

Amendments to the Claims

Cancel Claim 1 without prejudice.

1. (Canceled)

2-28. (Previously Canceled)

29. (Previously Presented) A portable DVD player comprising:

a generally thin prismatic enclosure having a first major surface, a second major surface separated from said first major surface, and side surfaces connecting said first major surface to said second major surface, wherein at least a portion of said first major surface includes a video display, and wherein said enclosure includes a DVD entry port such that a DVD can be inserted;

a video processor receptive to an interlaced video stream, from a DVD inserted into said enclosure, and providing a deinterlaced video stream comprising:

a first deinterlacer operative to analyze progressive frames of said interlaced video stream in an attempt to determine an original source type and sequencing used for the interlaced video stream and further operative to convert said interlaced video stream into a deinterlaced video stream using a conversion process that is dependent upon said detection of said original source type and sequencing; and

a second deinterlacer operative to reduce motion artifacts detected by a frequency analysis of said interlaced video stream; and

an output processor receptive to said deinterlaced video stream and operative to provide a scaled, deinterlaced video stream on said video display.

30. (Previously Presented) A portable DVD player as recited in claim 29 wherein said second deinterlacer is operative to detect diagonal features and to smooth said detected diagonal features.

31. (Previously Presented) A portable DVD player as recited in claim 29 wherein said video processor processes said deinterlaced video stream in vertical slices.

32. (Previously Presented) A portable DVD player as recited in claim 29 wherein said output processor is operative to scale said deinterlaced video stream to modify a video display output format of a video output stream.

33. (Previously Presented) A portable DVD player as recited in claim 29 wherein said output processor includes a data rate synchronizer between a first data rate of said deinterlaced video stream and a second data rate of a video output stream.

34. (Previously Presented) A portable DVD player comprising:

a generally thin prismatic enclosure having a first major surface, a second major surface separated from said first major surface, and side surfaces connecting said first major surface to said second major surface, wherein at least a portion of said first major surface includes a video display, and wherein said enclosure includes a DVD entry port such that a DVD can be inserted;

a deinterlacing processor receptive to an interlaced video stream, from a DVD inserted into said enclosure, and operative to provide a deinterlaced video stream; and

a video output processor receptive to the output of said deinterlacing processor, wherein said deinterlacing processor processes said interlaced video stream in vertical slices to provide a scaled, deinterlaced video stream on said video display.

35. (Previously Presented) A portable DVD player comprising:

a generally thin prismatic enclosure having a first major surface, a second major surface separated from said first major surface, and side surfaces connecting said first major surface to said second major surface, wherein at least a portion of said first major surface includes a video display, and wherein said enclosure includes a DVD entry port such that a DVD can be inserted;

a deinterlacing processor receptive to an interlaced video stream, from a DVD inserted into said enclosure, and operative to provide a deinterlaced video stream and is operative to analyze progressive frames of said interlaced video stream in an attempt to determine an original source type and sequencing used for the interlaced video stream; and

a video output processor receptive to the output of said deinterlacing processor, wherein said deinterlacing processor processes said interlaced video stream in vertical slices to provide a scaled, deinterlaced video stream on said video display.

36. (Previously Presented) A portable DVD player as recited in claim 35 wherein said deinterlacing processor is further operative to convert said interlaced video stream into a deinterlaced video stream using a conversion process that is dependent upon said detection of said original source type and sequencing.

37. (Previously Presented) A portable DVD player as recited in claim 35 wherein said deinterlacing processor is operative to reduce motion artifacts detected by a frequency analysis of said interlaced video stream.

38. (Previously Presented) A portable DVD player as recited in claim 35 wherein said deinterlacing processor is operative to detect diagonal features and to smooth said detected diagonal features.

39. (Previously Presented) A portable DVD player as recited in claim 35 wherein said video output processor is operative to scale said deinterlaced video stream to modify a video display output format of a video output stream.

40. (Previously Presented) A portable DVD player as recited in claim 35 wherein said video output processor includes a data rate synchronizer between a first data rate of said deinterlaced video stream and a second data rate of a video output stream.

Cancel Claims 41-44 without prejudice.

41-44. (Canceled)